

FILE NOTATIONS

Entered in NID File ...☒...
 Location Map Pinned ...☒...
 Card Indexed ...☒...

Checked by Chief *QMB*
 Approval Letter *11-19-68*
 Disapproval Letter

COMPLETION DATA:

Date Well Completed *12-23-69*

Location Inspected

OW..... WW..... TA.☒...

Bond released

GW..... OS..... PA.....

State or Fee Land

LOGS FILED

Driller's Log *1-6-69*...

Electric Logs (No.) ...*3*...

E..... I.F.☒... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others *Sidewall Neutron Density*

Compensated Formation Density Log.

*UIC
A-21-91*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

William Gruenerwald & Assoc., Inc.

3. ADDRESS OF OPERATOR

Box 909, Colorado Springs, Colorado 80901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

660'/NL and 630'/WL (NW/4 NW/4) ✓

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10 miles north of Bluff, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

630'

16. NO. OF ACRES IN LEASE

316.24

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80 acres, more or less

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

none ✓

19. PROPOSED DEPTH

5900' ✓

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4851 feet ground

22. APPROX. DATE WORK WILL START*

Nov. 15, 1968

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	10 3/4" ✓	32.75 ✓	200 ✓	125 sx ✓
7 7/8"	5 1/2"	15.5	5900 <i>Desert Creek</i> <i>test</i>	500sx

Propose to drill surface hole to a depth of approximate 200' at a good casing seat point, set surface casing at that point and cement.

Drill out from under surface with 7 7/8" bit to total depth of 5900', unless water flow is encountered in the Navajo Sd at an approximate depth of 1875', which in that event the hole will have to be reamed sufficient to accomodate 8 5/8" casing set with 200 sx at a depth of approxiamte 1875'; and then drill out with 7" and 7/8" bit to TD of 5900', or top of the Desert Creek Formation. ✓ Test all shows, log, and run pipe if commercial shows of oil and/or gas are found.

Copies to: USGS-Durango (3) *Check for spacing - MB*
State of Utah Oil & Gas Conservation Comm (1)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Weldon C. JulanderTITLE Geologist forDATE Nov. 11, 1968

(This space for Federal or State office use)

William Gruenerwald & Assoc., Inc.

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

43-037-30025

Box 909, Colorado Springs, Colorado
80901

COMPANY WILLIAM GRUENERWALD & ASSOCIATES, Inc.

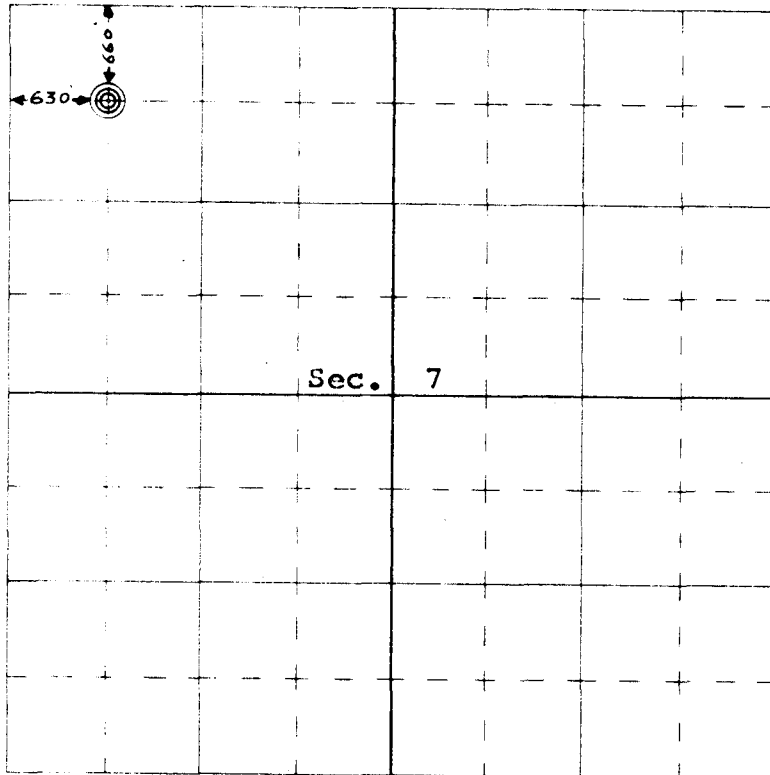
Well Name & No. No. 1 Cottonwood Wash Lease No. _____

Location 660 FEET FROM THE NORTH LINE & 630 FEET FROM THE WEST LINE

Being in LMNW

Sec. 7, T 39 S, 22 E, S.L.M., San Juan County, Utah

Ground Elevation 4851' ungraded

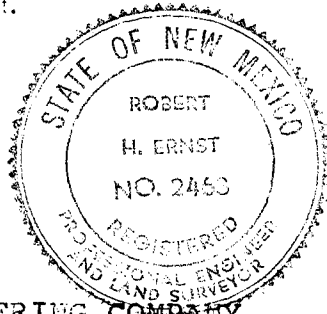


Scale -- 4 inches equals 1 mile

Surveyed 8 November, 19 68

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:



ERNST ENGINEERING COMPANY
Durango, Colorado

Registered Professional
Engineer and Land Surveyor.

Robert H. Ernst
Colo. PE & LS 4979
N. Mex. PE & LS 2463

COMPANY WILLIAM GRUENERWALD & ASSOCIATES, Inc.

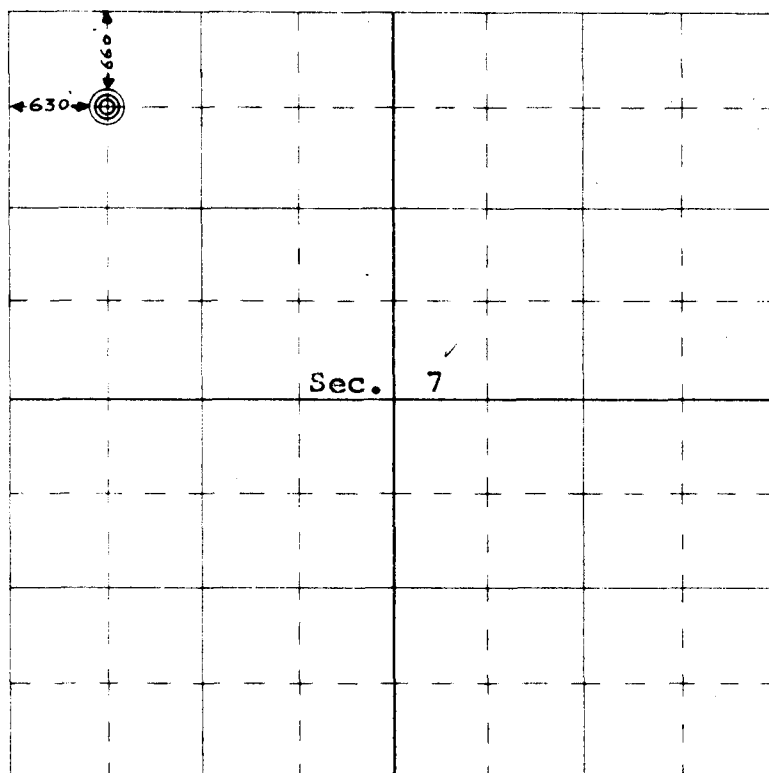
Well Name & No. No. 1 Cottonwood Wash Lease No. _____

Location 660 FEET FROM THE NORTH LINE & 630 FEET FROM THE WEST LINE

Being in NW1/4

Sec. 7, T 39 S, R 22 E, S.L.M., San Juan County, Utah

Ground Elevation 4851' ungraded

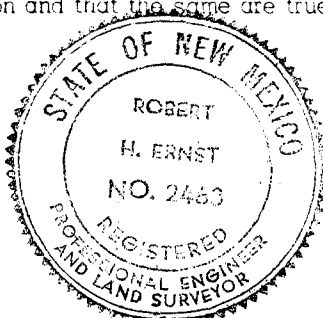


Scale -- 4 inches equals 1 mile

Surveyed 8 November, 19 68

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:



Registered Professional
Engineer and Land Surveyor.

Robert H. Ernst
Colo. PE & LS 4979
N. Mex. PE & LS 2463

ERNST ENGINEERING COMPANY
Durango, Colorado

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: **Salt Lake City**
SERIAL No.: **SL-067704-A**

Salt Lake City
SL-067704-A

and hereby designates

NAME: **William Grosserwald & Associates, Inc.**
ADDRESS: **Box 909, Colorado Springs, Colo. 80901**

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T39S - R22E

T39S-R22E

Section 7: Lots 1 & 2

Sec.7: Lots 1 & 2

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

ALCO OIL AND GAS CORPORATION

Alco Oil and Gas Corporation

Michael R. Simon

Michael R. Simon (Signature of lessee)

P.O. Box 52027 (52027)

Lafayette, Louisiana 70501 (Address)

11/13/68

11/13/68

(Date)

U. S. GOVERNMENT PRINTING OFFICE 16-53598-3

✓
Weldon:-
This has been filed w/ the USGS (Roswell) and
the State of Utah. Mike

WELDON C. JULANDER
508 SECURITY BUILDING
650 - 17TH STREET
DENVER, COLO. 80202

WELDON C. JULANDER
508 SECURITY BUILDING
650 - 17TH STREET
DENVER, COLO. 80202

November 19, 1968

William Gruenerwald & Associates, Inc.
Box 909
Colorado Springs, Colorado

Re: Well No. Cottonwood Creek #1,
Sec. 7, T. 39 S., R. 22 E.,
San Juan County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted. However, this approval is conditional upon a Designation of Agent being filed with this office in accordance with Rule A-4, General Rules and Regulations and Rules of Practice and Procedure, State of Utah Division of Oil and Gas Conservation (Page 19).

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify Paul W. Burchell, Chief Petroleum Engineer, Home; 277-2890, Office; 328-5771 - Salt Lake City, Utah.

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your co-operation with respect to completing this form will be greatly appreciated.

William Gruenerwald & Associates, Inc.

November 19, 1968

Page 2

The API number assigned to this well is 43-037-30025 (see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sc

cc:

U. S. Geological Survey
Jerry Long, District Engineer
Box 1809
Durango, Colorado

Weldon C. Julander
508 Security Building
650 - 17th Street
Denver, Colorado 80202

Sharon 12/17/68

Weldon Balander

U.S.G.L. - In Farmington

sec 7 395

22E

(NW, NW)

Grünerwald
1 - Cottonwood Creek
San Juan Cr.

PE

6015 T.P.

- (1) 100' play 6015 - 5905 Desert Creek
- (2) " 4900 to 4800 - top Penn
- (3) " 3000 to 2900 - top of De Chely
- (4) base of surface (100') ord marks / mod bitum all show

No ϕ (small 5980-51)

No Water

Dechely ?

No show

Shenup - 2535

Heuborn - 2565

De Chely - 2926

Calle - 3614

Nervosa - 4812

Jamay - 5693

Desert Creek - 5908

OK - PMB

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Dry hole		5. LEASE DESIGNATION AND SERIAL NO. SL 067704-A
2. NAME OF OPERATOR William Gruenerwald & Assoc., Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Box 909, Colorado Springs, Colorado 80901		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 6608/NL and 6301/WL (NW/4 NW/4)		8. FARM OR LEASE NAME Cottonwood Creek
14. PERMIT NO.		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4851' grd		10. FIELD AND POOL, OR WILDCAT W C
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 7 T39S R22E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* XXXXXXXXX <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well was rotary drilled to a TD of 6015' (Dr1r), with now shows of oil or gas, no cores, no DST's, was Electric Logged with Sch TD of 6012'

Following cement plugs will be set:

6015' to 5900'

4900 to 4800

3000 to 2900

110 to 50

10 sx cmt at surface with marker

Well spud on: Nov. 24, 1968 11a m

Set surface on: Nov 24 & 25, 1968

Reached TD on: Dec. 16, 1968

Elec Logs run on Dec. 16 & 17, 1968

Well was plugged by Halliburton on: Dec. 17 & 18, 1968; rig released on December 18, 1968 at 4a m

Copies to: USGS-Durango

State of Utah Oil & Gas Conservation Comm.

The above plugging recommendation and approval was granted by M. L. Seelinger, USGS, Farmington, office, with complete knowledge and approval of the Durango USGS office.

18. I hereby certify that the foregoing is true and correct

SIGNED Weldon C. Julander TITLE GeologistDATE December 23, 1968

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

WELDON C. JULANDER
508 SECURITY BUILDING
650 - 17TH STREET
DENVER, COLO. 80202

Form approved.
Budget Bureau No. 42-R355.5.

***(See Instructions and Spaces for Additional Data on Reverse Side)**

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Desert Cr.	5908	TD	Limestone, 6% porosity with 100% water saturation at interval of 5980' to 5995'.	Morrison at Shinarump	surface	
Ismay	5693	5908	Limestone, no porosity, and no shows of oil or gas ✓	Moenkopi	2535'	
				DeChelly	2565	
				Cutler	2926	
				Penn-Herm	3614	
				Ismay ls	4812	
				Desert Cr.	5693	
				Total Depth	5908	
			There was no porosity in the Pennsylvanian section including the Ismay (except the Desert Creek mentioned above). No water flows from surface to total depth of 6015'. No lost circulation encountered. ✓ No cores. No DST's.		6015	
			Total depth 6015'			
			Dry and abandoned.			

JAN 6 1969

Sharon

FORM OGC-8-X

FILE IN QUADRUPLICATE

WELDON C. JULANDER
508 SECURITY BUILDING
650 - 17TH STREET
DENVER, COLO. 80202

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number No. 1 Cottonwood Creek
Operator William Gruenerwald & Assoc., Inc. Address Box 909 Colorado Springs, Colorado Phone 635-2576
Contractor Cactus Address Farmington, NM Phone 325 6631
Location NW 1/4 NW 1/4 Sec. 7 T. 39S N R. 22E San Juan County, Utah
Water Sands: none encountered ✓

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1. <u>none</u>		<u>unknown</u>	<u>unknown</u>
2. _____			
3. _____			
4. _____			
5. _____			

(Continue on reverse side if necessary)

Formation Tops:

Morrison at surface; Shinarump 2535'; DeCholly 2926'; Cutler 3614';
Pennsylvanian-Hermosa 4812'; Ismay Ls 5693'; Desert Creek 5908';
Total Depth 6015';

Remarks: none

NOTE:

- Upon diminishing supply forms, please inform this office.
- Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See Back of form).
- If a water analysis has been made of the above reported zone, please forward a copy along with this form.